

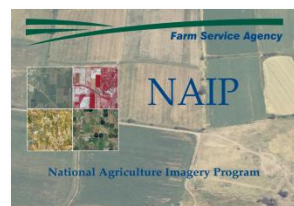
**USDA Imagery Planning and Coordination Meeting
NAIP POST-MORTEM**

National Agriculture Imagery Program

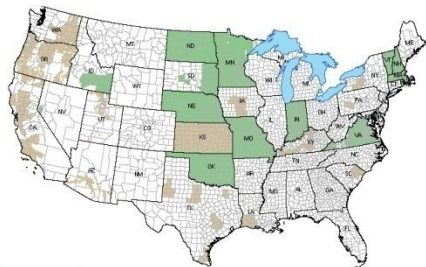
NAIP

2010 NAIP Contract Summary

W. Geoffrey Gabbott, Contracting Officer
USDA FSA Aerial Photography Field Office
Salt Lake City, Utah



2003 NAIP COVERAGE



2004 NAIP COVERAGE



2005 NAIP COVERAGE



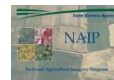
2006 NAIP COVERAGE



1 Meter Coverage
2 Meter Coverage

USDA/FSA/AFPO

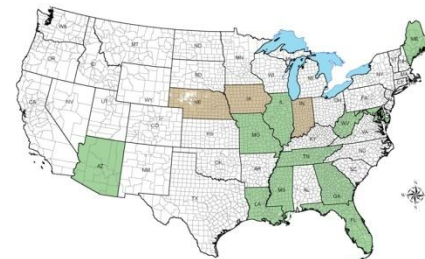
National Agriculture Imagery Program NAIP 2003-2010



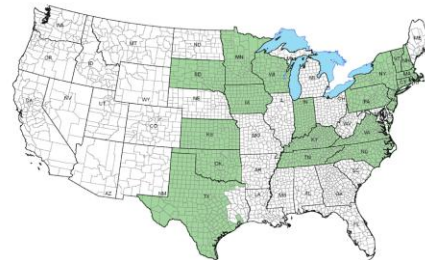
Accomplishments:

- Largest single civilian mapping program in U.S. history
- Complete 1 meter CONUS coverage with state imagery being no older than 2 years
- \$166 Million invested
 - \$123M FSA (74%)
 - \$43M Partners (26%)
- Effective cost-share partnerships accounting for 26% of total costs (20% Federal, 6% State/others)

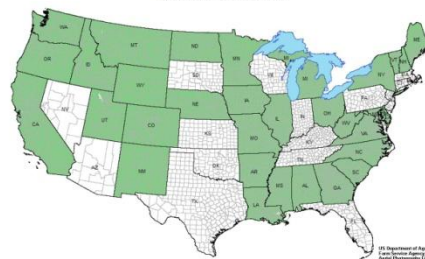
2007 NAIP COVERAGE



2008 NAIP COVERAGE

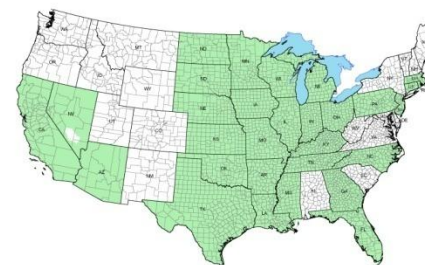


2009 NAIP COVERAGE



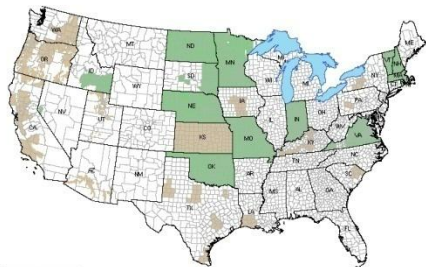
US Department of Agriculture
Farm Service Agency
National Agriculture Imagery Program
NAIP
USDA/FSA/AFPO
www.fsa.usda.gov/naip

2010 NAIP COVERAGE



USDA/FSA

2003 NAIP COVERAGE



2004 NAIP COVERAGE



2005 NAIP COVERAGE



2006 NAIP COVERAGE



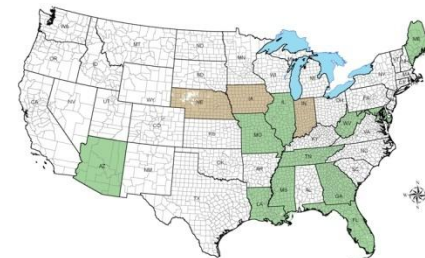
National Agriculture Imagery Program NAIP 2003-2010



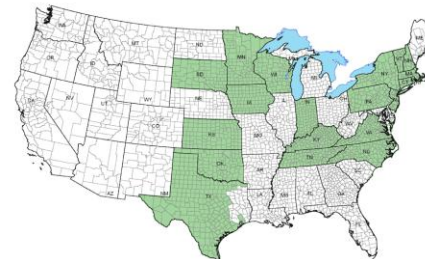
Challenges:

- Inconsistent funding
- Establishing a predictable refresh cycle
- Providing a fixed, stable program for partners to plan their budgets
- Staying current with ever evolving requirements and specifications to meet user's needs

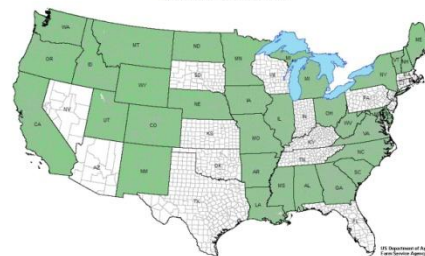
2007 NAIP COVERAGE



2008 NAIP COVERAGE



2009 NAIP COVERAGE



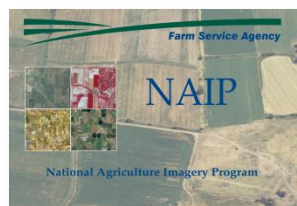
2010 NAIP COVERAGE



National Agriculture Imagery Program

2010 NAIP Contract Summary

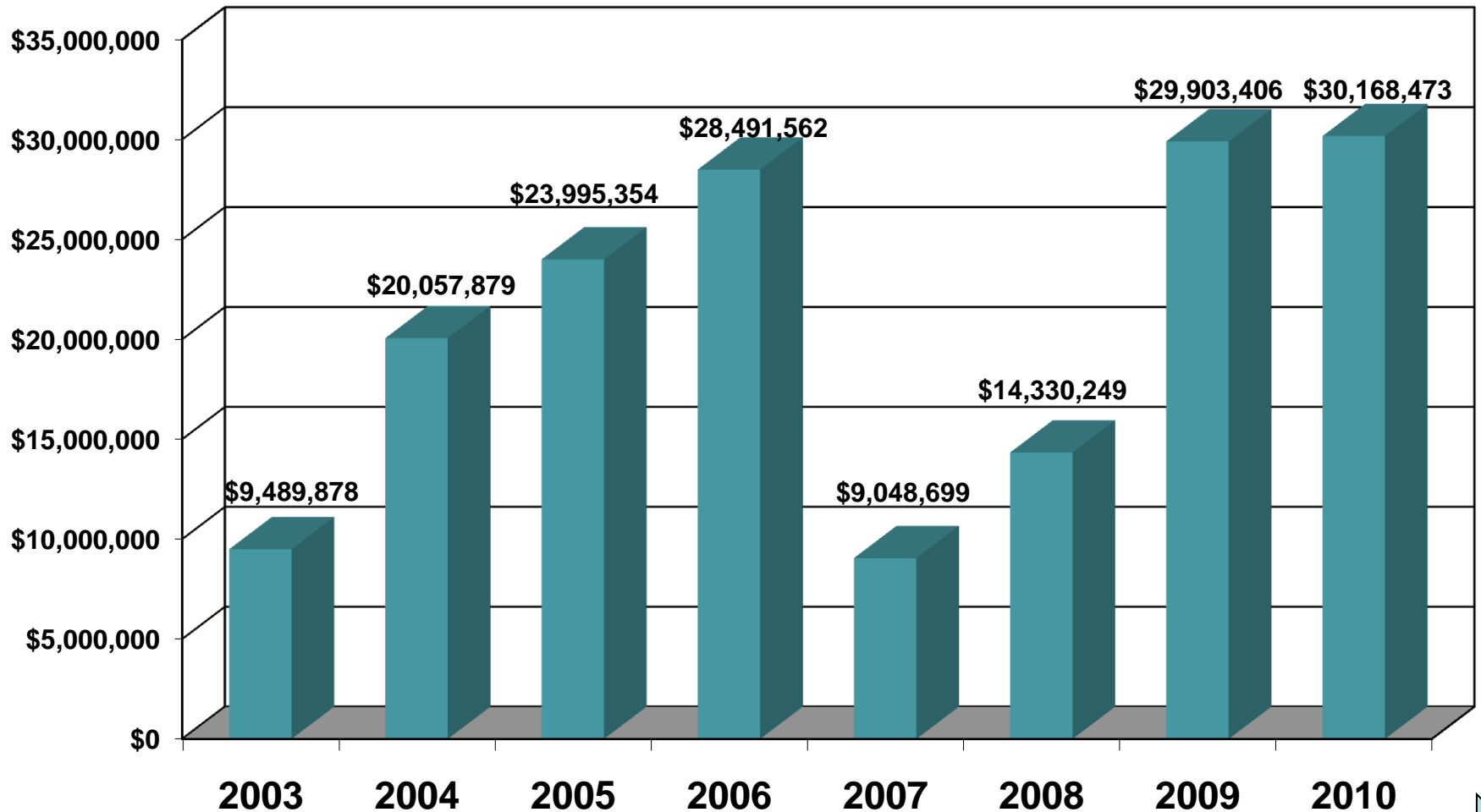
- ▶ **30 States Awarded to 6 Prime Contractors**
- ▶ **One Meter Resolution Imagery**
- ▶ **Digital Orthophotography**
 - ▶ **Accurate within 6 meters to ground**
- ▶ **All States 4-band Imagery (Natural & CIR)**
- ▶ **Products: (Delivered 30-45 days after season ends)**
 - ▶ **Compressed County Mosaics (CCM)**
 - ▶ **Digital Orthophoto Quarter Quads (DOQQ)**
 - ▶ **Seamline Shapefiles with Attributes**
- ▶ **2010 Imagery 100% acquired by Oct.12th**





NAIP Contract Awards

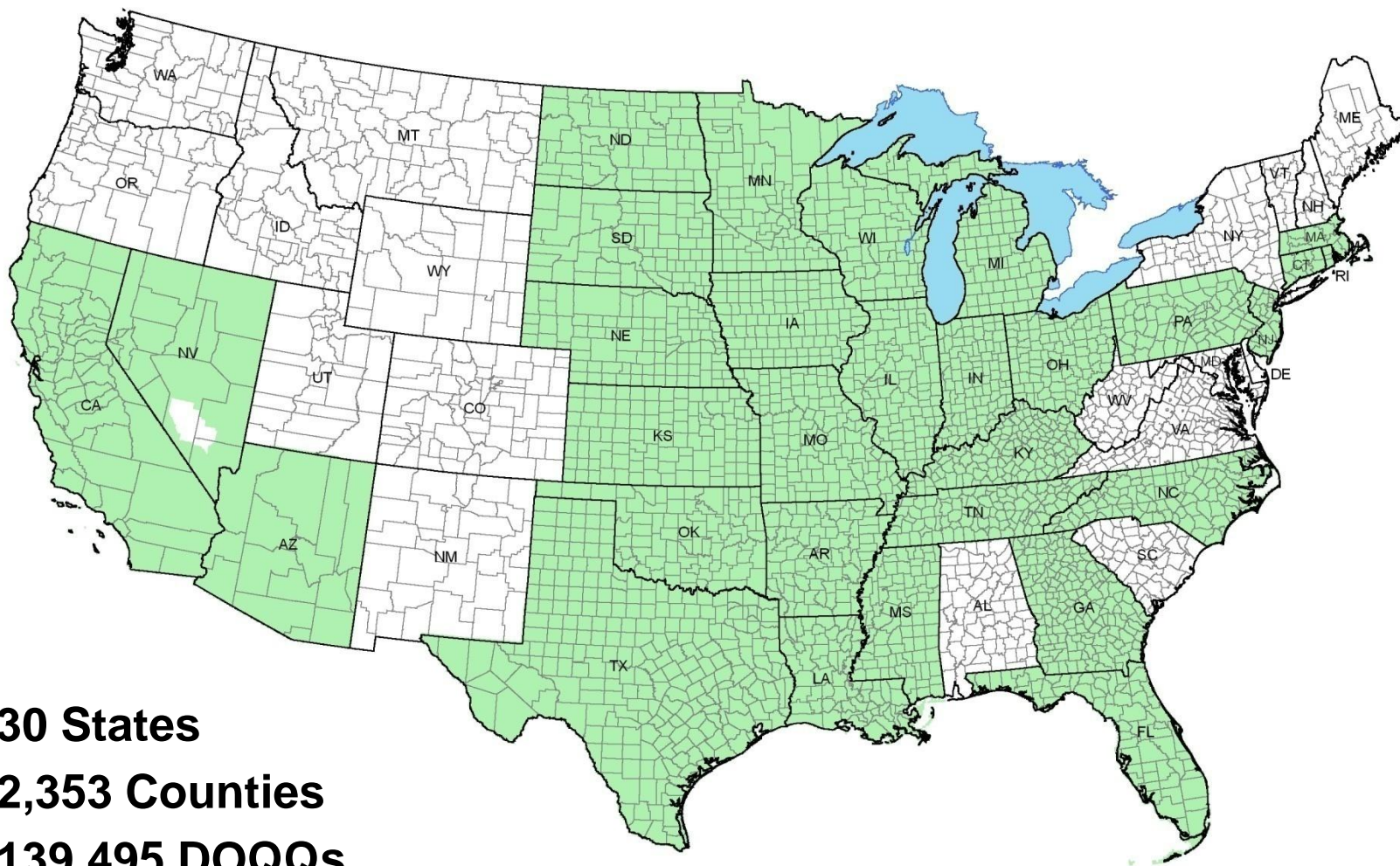
History of NAIP Contract Award Totals



3 Year IDIQ Contract

5 Year IDIQ Contract – expires 2011

2010 NAIP – CONTRACTED STATES



30 States

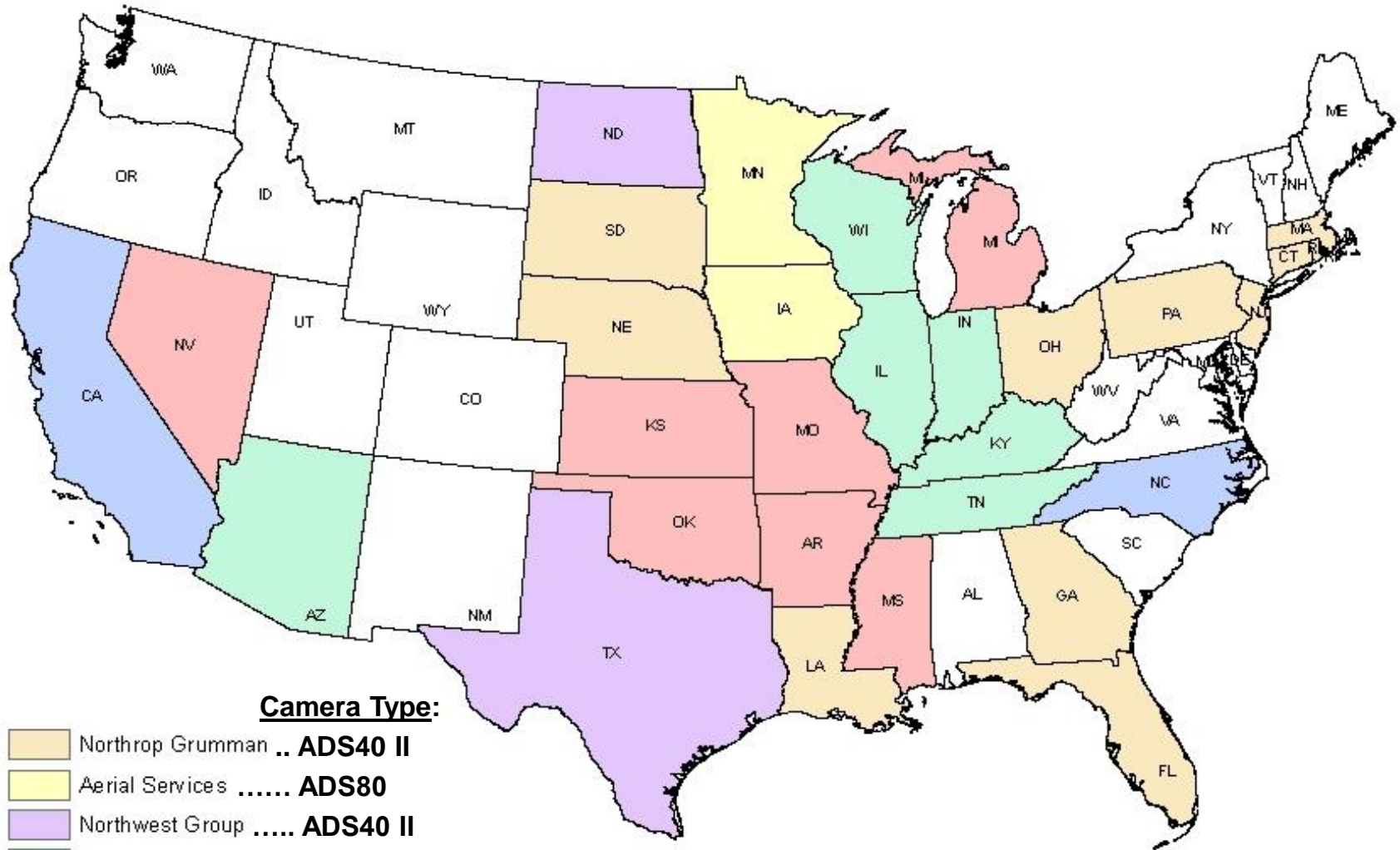
2,353 Counties

139,495 DOQQs

2,041,237 Sq. Miles

All States are 4-band imagery

2010 NAIP CONTRACTORS



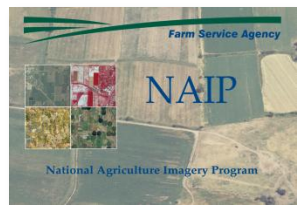
Camera Type:

- Northrop Grumman .. **ADS40 II**
- Aerial Services **ADS80**
- Northwest Group **ADS40 II**
- Photo Science **DMC**
- Sanborn **DMC**
- Surdex **DMC**

National Agriculture Imagery Program

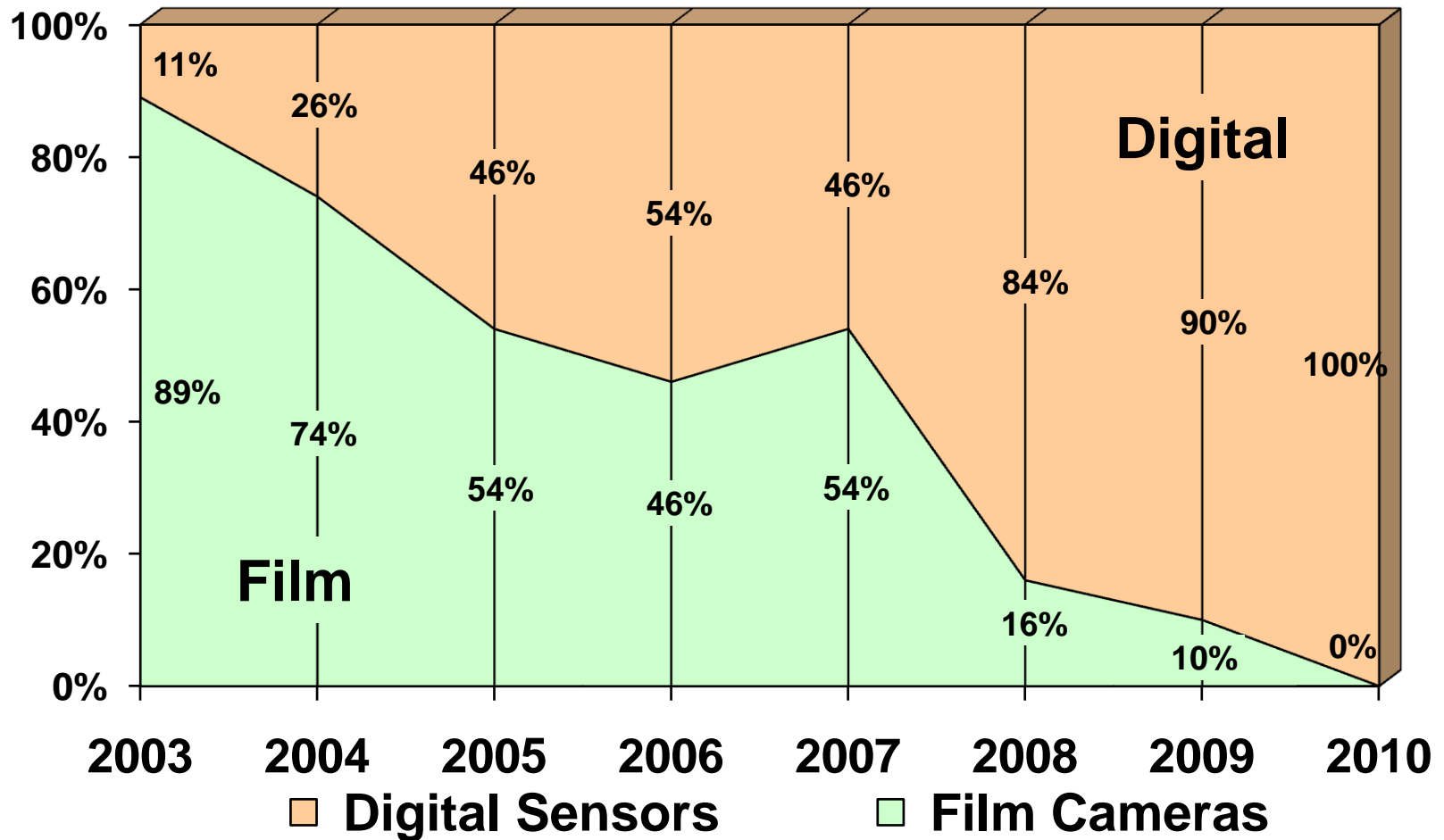
2010 NAIP Contract Camera Trends

- ▶ **The NAIP Contract is a “Performance Based Contract”**
- ▶ **NAIP requirements are defined by the “End Product” rather than the “How To ...”**
- ▶ **The orthoimagery industry & market drives the trend towards digital cameras ...**
- ▶ **... with some help from government’s need for 4-band imagery**



NAIP Camera Trends

Film Cameras vs. Digital Sensors



Mixing Digital Sensors

Two requests were approved to acquire 2010 NAIP imagery using “mixed” digital sensors with the following conditions:

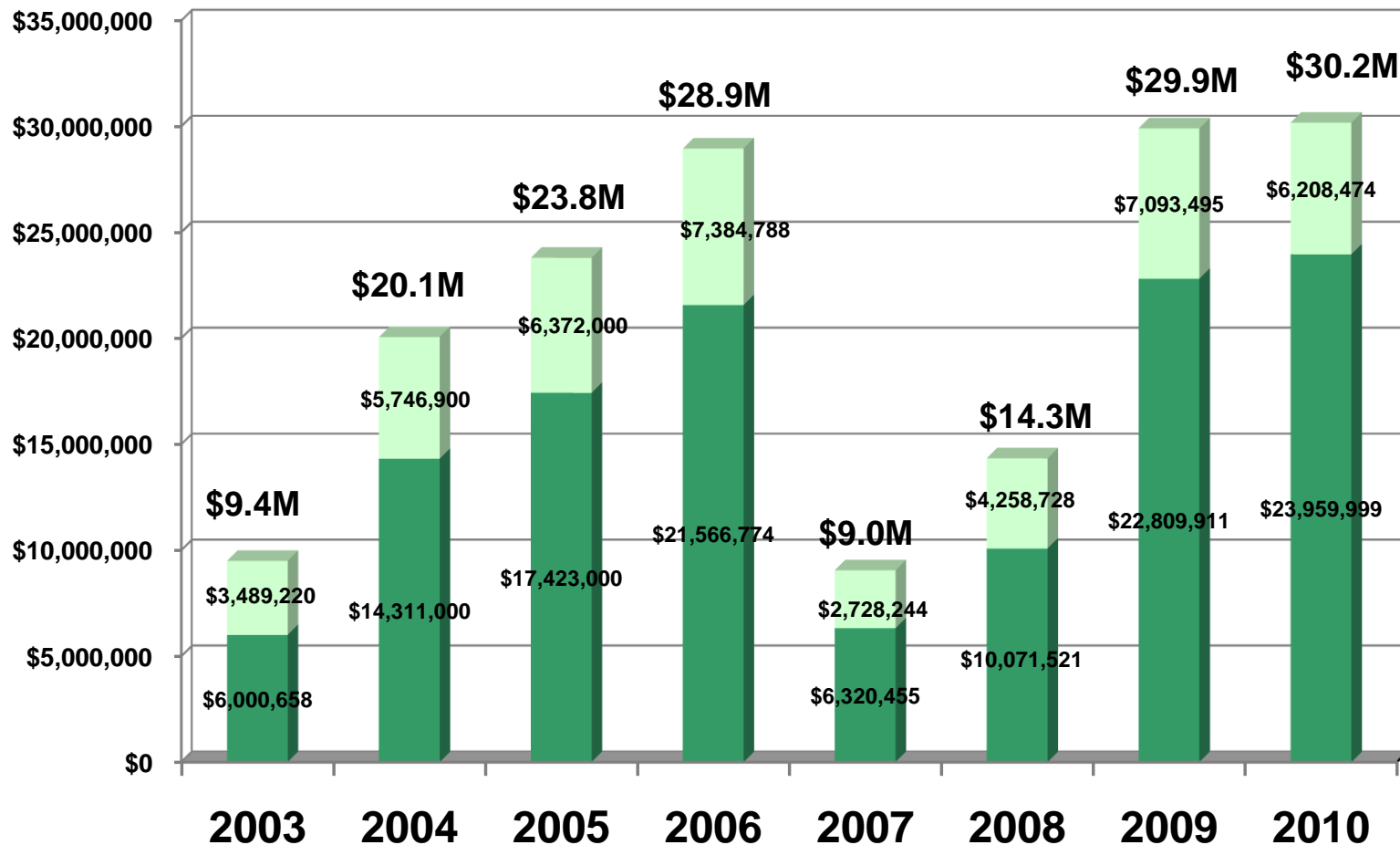
- Multiple camera approval limited to known and pre-approved camera systems.
- Mixing sensor types within a quarter-quadrangle is not allowed.
- Separate production process description files required for each sensor type.
- The CCM seamline shapefile must have separate polygons for different sensor types.



NAIP Funding History

2003 - 2010 FSA NAIP Contracts

FSA FUNDING **PARTNERS FUNDING**



2010 NAIP Funding Sources

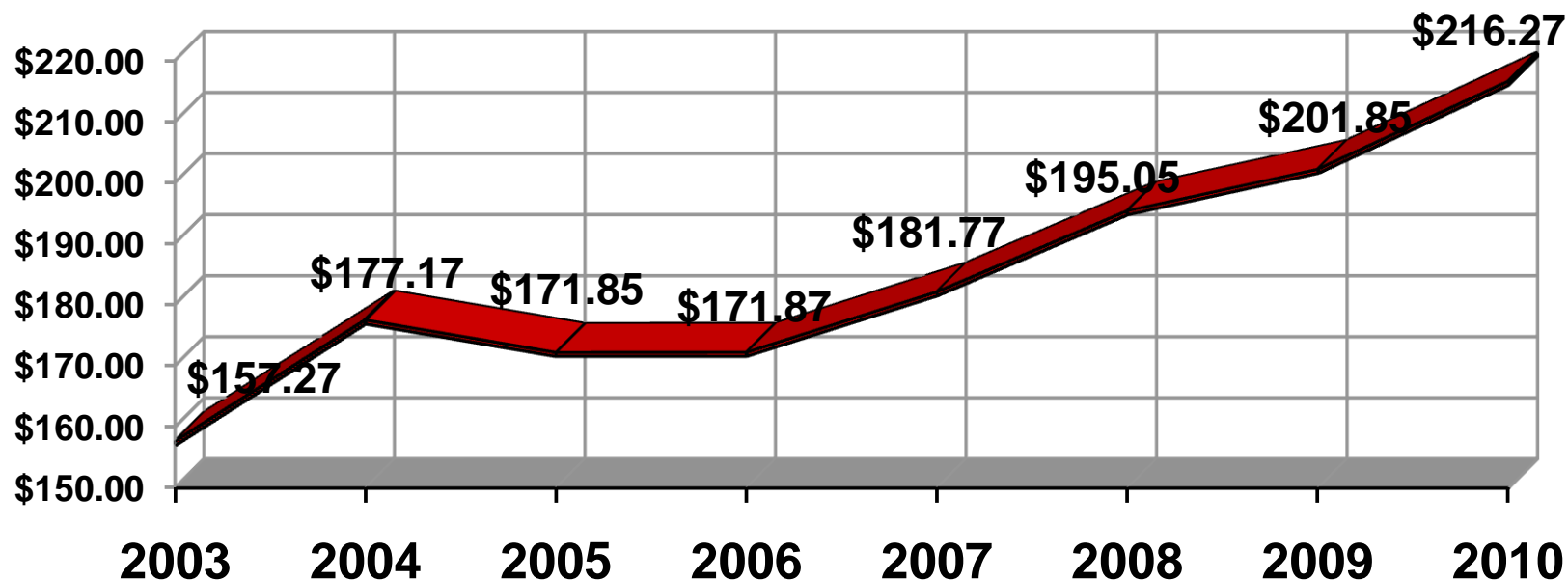
U.S. Forest Service	\$1,900,000
Natural Resource Consrv. Service	\$1,900,000
Department of Interior Agencies	\$1,579,748
Other Federal Agencies (AZ & NV)	\$150,000
State Governments (7 states)	<u>\$678,726</u>
Total 2010 Cost Shares:	\$6,208,474
FSA Funding Amount	<u>\$23,959,999</u>
<i>2010 NAIP Funding Total:</i>	<i>\$30,168,473</i>



NAIP DOQQ Pricing History

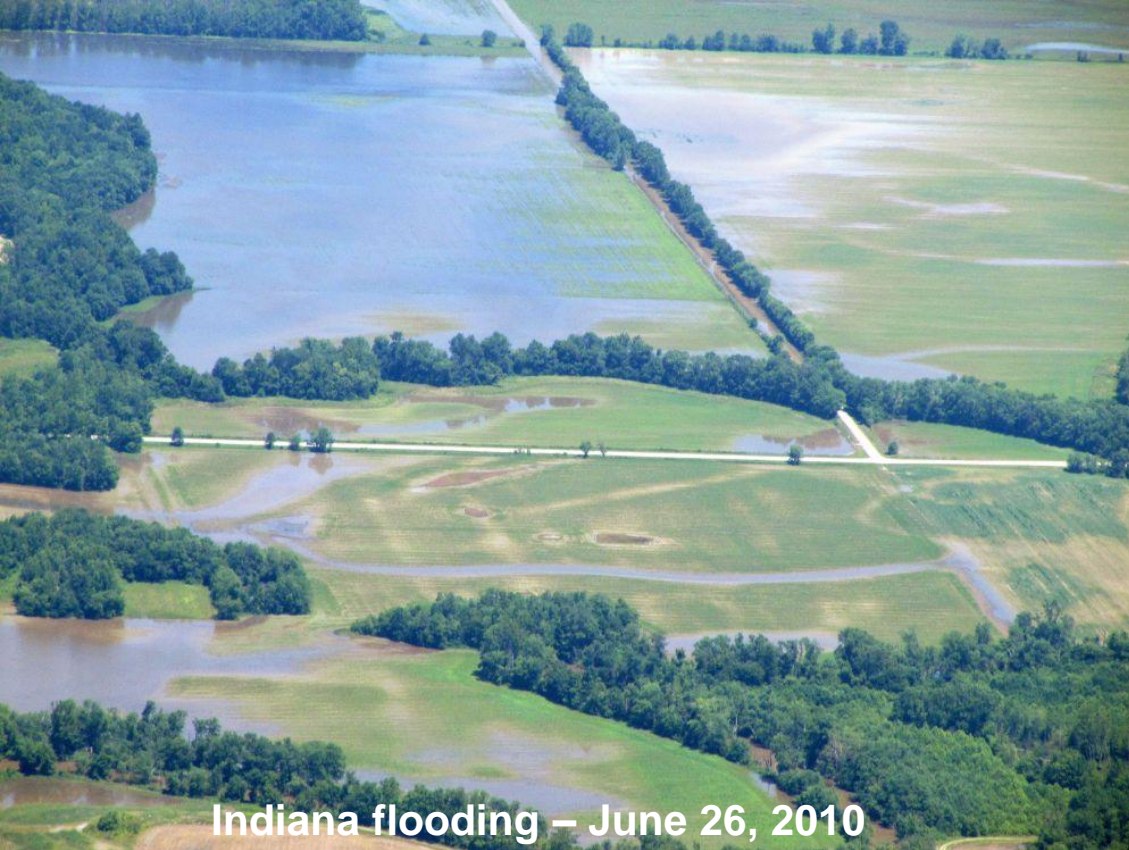
2003 - 2010 USDA NAIP Contracts

Average Price per DOQQ



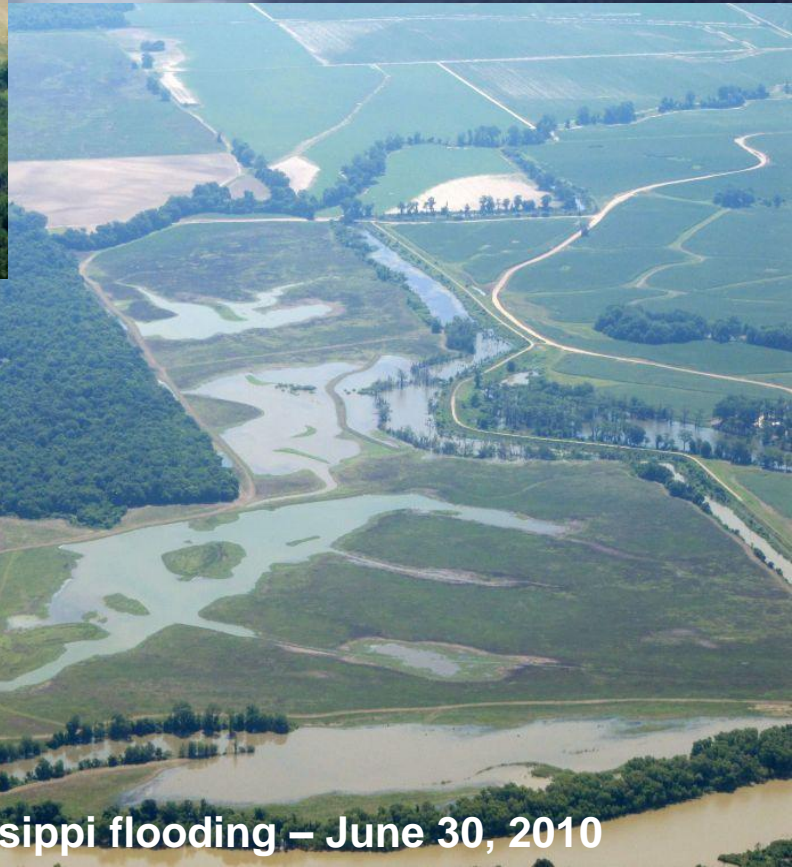
Approximately 7% increase from 2009 to 2010

2010 NAIP Acquisition Challenges



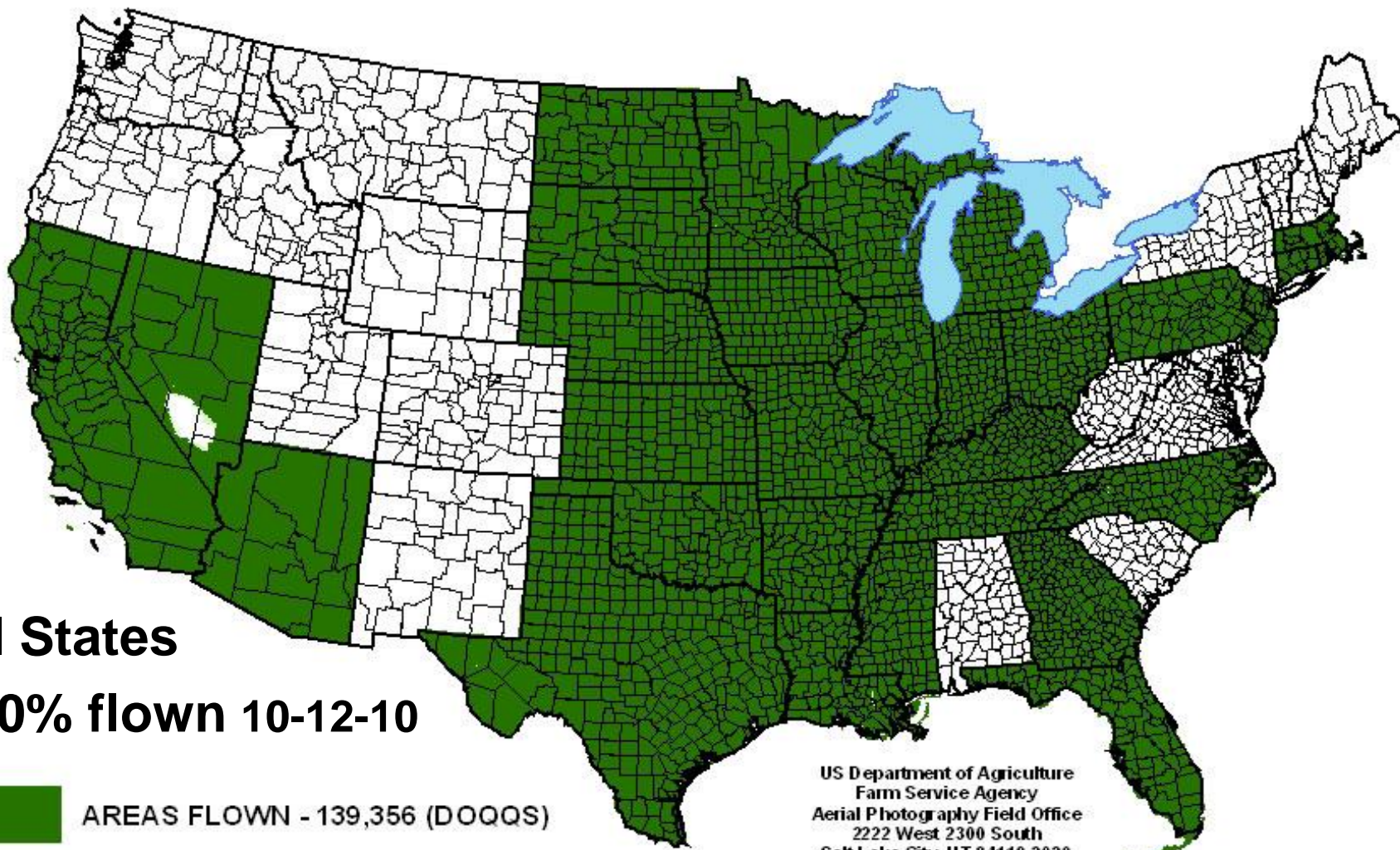
Indiana flooding – June 26, 2010

**Flooding
and
Weather**



Mississippi flooding – June 30, 2010

2010 NAIP IMAGERY STATUS



All States

100% flown 10-12-10

AREAS FLOWN - 139,356 (DOQQS)

AREAS CONTRACTED - 139,495 (DOQQS)

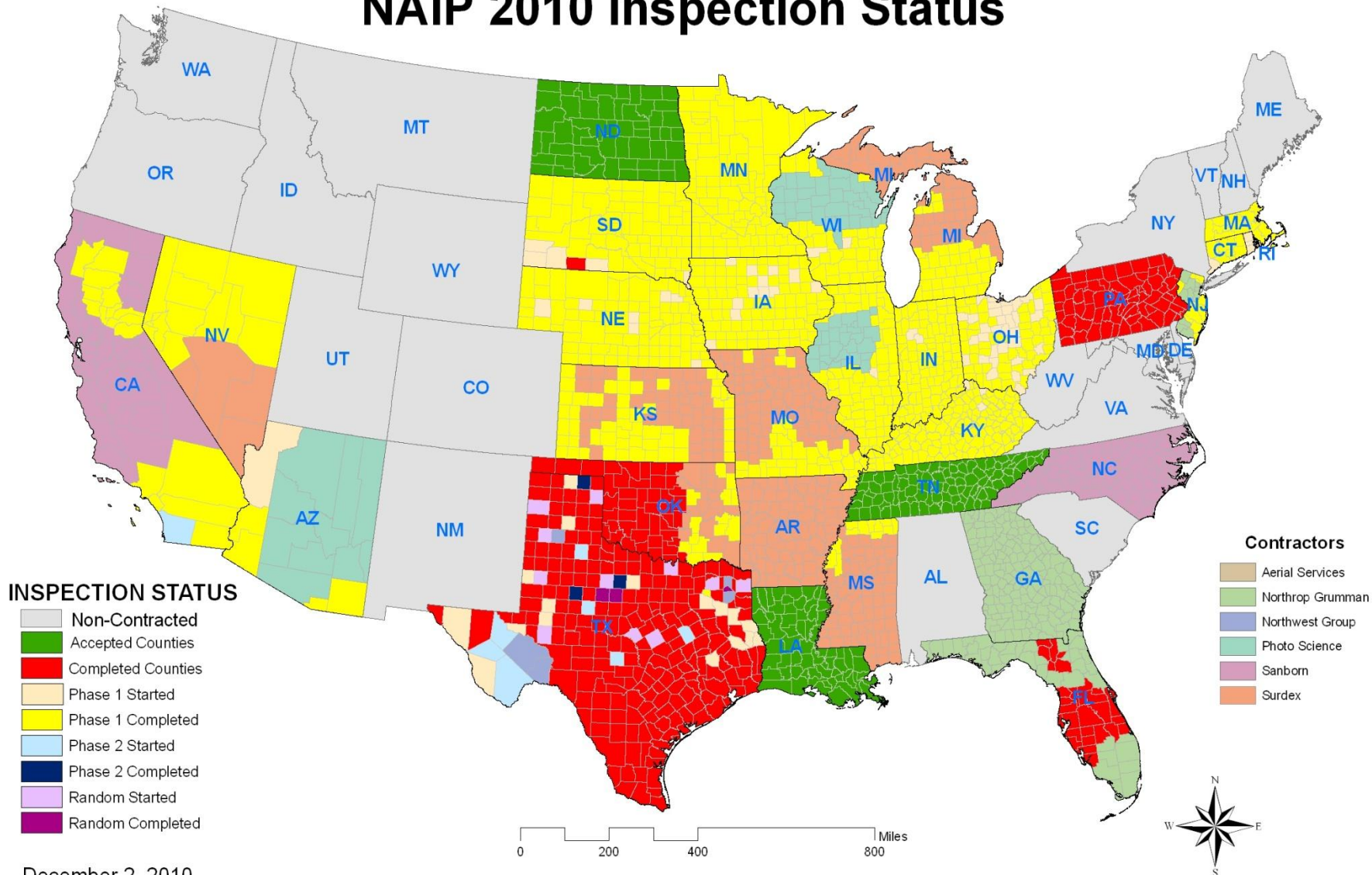
**US Department of Agriculture
Farm Service Agency
Aerial Photography Field Office
2222 West 2300 South
Salt Lake City, UT 84119-2020
Bridget Barlow
Tel: 801-844-2911 Fax: 801-956-3640
Email: bridget.barlow@slc.usda.gov
Website: www.apfo.usda.gov**



Delivery Status as of December 1, 2010

- **99% of CCMs delivered (2,335 of 2,353)**
 - California 76% (14 remaining of 58)
 - Nevada 77% (4 remaining of 17)
- **94% of DOQQs delivered (130,761 of 139,495)**
 - California 40% (6,705 remaining of 11,095)
 - Nevada 73% (2,029 remaining of 7,454)

NAIP 2010 Inspection Status



QUESTIONS ?

**Why aren't they flying?
There's not a cloud in the sky!**

